

REMARKS

In the Specification

The amendments to the specification correct a number of formal matters that in no way change the scope of the specification, and add no new matter to the description of the invention. In particular:

1. The amended first paragraph in the "Background Art" section on page 1 replaces the incorrect word "principal" in the fourth line of the paragraph with the correct word "principle."
2. The amended second paragraph under the "Background Art" Section on page 1 adds the citation to the "Experimental Quantum Cryptography" reference.
3. The amended last paragraph in the "Background Art" section on page 2 defines the acronym "EM" as "electromagnetic."
4. The amended third paragraph under the "Brief Description of the Drawings" section on page 2 is directed to a minor change in language to improve grammar.
5. The amended heading on page 3 from "Detailed Description of the Invention" to "Summary of the Invention" is directed to putting the PCT version of the Application as filed into the preferred USPTO format.
6. The amended heading on page 3 that adds a new section heading "Detailed Description of the Invention" is directed to putting the PCT version of the Application as filed into the preferred USPTO format.

7. The amended first paragraph under the new section heading “Detailed Description of the Invention” on page 3 points out that the attenuator referenced in the paragraph is not shown in the Figures.

8. The amended fifth paragraph under the new section heading “Detailed Description of the Invention” on page 4 changes the term “laser” to proper term “optical radiation source” for element 50.

9. The amended eighth paragraph under the new section heading “Detailed Description of the Invention” on page 4 is directed to improving the readability of the paragraph, and in particular the first sentence of this paragraph.

10. The amended seventeenth paragraph under the new section heading “Detailed Description of the Invention” on the top of page 6 adds the missing word “the” to the sentence that makes up this paragraph.

11. The newly added paragraph at the end of the “Detailed Description of the Invention” section is directed to clarifying the role of the example embodiments in describing the invention in connection with the claims.

In the Abstract

The “Abstract” has been amended to add the acronym “TRNG” for “true random number generator,” as well as to delete extraneous words, and to add a missing word “a” in the last sentence of the paragraph.

In the Claims

Claims 3, 4, 5, 8 and 9 have been amended to improve their readability by either omitting one or two extraneous words, or adding a word or two.

Section b) of claim 8 was inadvertently broken up into sub-sections a. through d., when it should have only had sub-sections a. through c. The claim was amended to combine sub-sections a. and b under section b).

Claim 9 was amended to point out that the QKD system and the classical encryption system are operably coupled.

CONCLUSION

The amendments to the specification, Abstract and the claims as set forth herein are directed to correcting formalities in the application to ensure proper disclosure and protection of the invention. The above amendments neither affect the scope of the application nor add new matter to the application.

Accordingly, Assignee respectfully requests that the Examiner enter the amendments provided hereinabove.

The Examiner is encouraged to contact the Assignee's authorized representative at 941-378-2744 to discuss any questions that may arise in connection with this Amendment.

Respectfully Submitted,

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